

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

January 12, 2001

STL LOT NUMBER: E1A040249
PO/CONTRACT: 05160-SEV002

Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Purcell,

This report contains the analytical results for the 17 samples received under chain of custody by STL Los Angeles on January 4, 2001. These samples are associated with your BRC, formerly C-6 project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements of NELAC. All applicable quality control procedures meet method-specified acceptance criteria. Any matrix related anomaly is footnoted within the report.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,

A handwritten signature in black ink, appearing to read "Diane Suzuki".

Diane Suzuki
Project Manager

cc: Project File

This report contains a total of 000063 pages.



Committed To Your Success

SEVERN TRENT LABORATORIES

CUSTOMER INFORMATION

COMPANY: *Kennedy Tanks*
 SEND REPORT TO: *Terry Knight*
 ADDRESS: *2151 Nicholson Dr. Ste 10*
Travis, Ca. 92612

PHONE: *949-261-1577*
 FAX:

FAX:

PO NO.:

PROJECT INFORMATION

PROJECT NAME/NUMBER: *204032.D1*

BILLING INFORMATION

BILL TO:

ADDRESS:

LAB JOB NO.

[Redacted]

CHAIN OF CUSTODY RECORD

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS		ANALYSIS/METHOD <i>Vols 8268</i>	LAB REQUESTS/METHODS	LAB JOB NO.	REMARKS/PRECAUTIONS
							1	1				
PD-16-S		1/9/01	8:20	Sed	Acetate	1mL	/	/				
11 - 10			8:30				/	/				
11 - 15			8:35				/	/				
11 - 20			8:40				/	/				
11 - 30			10:00				/	/				
11 - 40			10:30				/	/				
11 - 50			11:11				/	/				
11 - 60			12:46				/	/				
11 - 70			1:43				/	/				
PP-14-S		1/4/01	2:37	Sed	Acetate	1mL	/	/				
SAMPLER: <i>Tina</i>							SHIPMENT METHOD:					
REQUIRED TURNAROUND*	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 24 HOURS	<input type="checkbox"/> 48 HOURS	<input type="checkbox"/> 72 HOURS	<input type="checkbox"/> 5 DAYS	<input type="checkbox"/> 10 DAYS	<input type="checkbox"/> ROUTINE	<input type="checkbox"/> OTHER		AIRBILL NO.:		
1. RELINQUISHED BY: <i>Tina Doyle</i>	DATE <i>1/4/01</i>	2. RELINQUISHED BY: <i>[Signature]</i>	DATE <i>1/4/01</i>	3. RELINQUISHED BY: <i>[Signature]</i>	DATE <i>1/4/01</i>					DATE		
SIGNATURE: <i>Tina Doyle</i>	PRINTED NAME/COMPANY: <i>ACQUA</i>	SIGNATURE: <i>[Signature]</i>	PRINTED NAME/COMPANY: <i>EXCESS</i>	SIGNATURE: <i>[Signature]</i>	PRINTED NAME/COMPANY: <i>EXCESS</i>	TIME <i>10:55</i>				TIME		
PRINTED NAME/COMPANY: <i>ACQUA</i>	TIME <i>4:00</i>	2. RECEIVED BY: <i>[Signature]</i>	DATE <i>1/4/01</i>	3. RECEIVED BY: <i>[Signature]</i>	DATE <i>1/4/01</i>					TIME		
1. RECEIVED BY: <i>[Signature]</i>	PRINTED NAME/COMPANY: <i>ACQUA</i>	SIGNATURE: <i>[Signature]</i>	PRINTED NAME/COMPANY: <i>ACQUA</i>	SIGNATURE: <i>[Signature]</i>	PRINTED NAME/COMPANY: <i>ACQUA</i>	TIME <i>12:55</i>				TIME		
PRINTED NAME/COMPANY: <i>ACQUA</i>	TIME <i>16:00</i>	3. RECEIVED BY: <i>[Signature]</i>	DATE <i>1/4/01</i>	SIGNATURE: <i>[Signature]</i>	PRINTED NAME/COMPANY: <i>ACQUA</i>	TIME <i>12:55</i>				TIME		

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES

1721 South Grand Avenue
 Santa Ana,
 2705

Phone: (714) 258-8610 / Fax: (714) 258-0921

SEVERN TRENT
LABORATORIES, INC.
STANDARD TERMS
AND CONDITIONS

ACCEPTANCE. Severn Trent Laboratories, Inc. (hereafter referred to as "STL") offers and will accept orders for services (as defined herein) only under the following Standard Terms and Conditions (the "Terms"). These Terms shall not apply if STL and the Customer shall have executed a separate agreement in writing. If specific Terms are not incorporated in the separate agreement those Terms will apply to the Customer. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of STL. Customer's order for services shall be subject to the Terms and the Terms shall be binding upon receipt of samples to STL. Either party may terminate this agreement at any time by giving written notice of such termination to the other party. Upon termination the customer is subject to payment for all services rendered and expenses incurred up to date in accordance with the applicable Price Schedule.

INSURANCE. STL maintains insurance coverage with minimum limits as follows: (a) Comprehensive General Liability- \$1,000,000 each occurrence \$2,000,000 annual aggregate; (b) Comprehensive Automotive Liability Bodily Injury and Property Damage- \$1,000,000 each occurrence. (c) Workman's Compensation- \$500,000 each occurrence and \$500,000 each employee; STL and Customer agree to furnish the other, upon request, certificates attesting to the existence of insurance coverage.

INDEPENDENT CONTRACTOR. STL's relationship with Customer under this agreement shall be that of an independent contractor. Nothing in this Agreement shall be construed to designate STL or any of its employees or subcontractors, as employees, joint venturers or partners of Customer.

SUBCONTRACTING. STL shall have the right to subcontract any and all services, duties, and obligations hereunder, in whole or in part with the consent of the Customer in a timely response which shall not be unreasonably refused. Subcontractor shall be bound by the same Terms of performance as STL.

BILLING. All fees are charged or billed directly to the Customer. The billing of a third party will not be accepted without a statement, signed by the third party, which acknowledges and accepts payment responsibility.

PAYMENT. Payment in advance is required for all Customers except those whose credit has been established with STL. Customers with STL approved credit, terms are Net 30 days, after which time a 1-1/2% per month late charge is added to all unpaid balances. Failure of the Customer to pay according to Terms gives STL the right to withhold delivery of future data until all past due invoices have been settled. Customer shall pay all costs and expenses incident to the collection of past due amounts, including reasonable attorney's fees. No retainage of fees by the customer is allowed without the consent of STL.

MODIFICATIONS. If the sample received is of unknown character than in the original quote, or if due to the composition of the sample the original procedure specified is not practicable or likely to produce reliable results, Customer will be promptly notified. Modified procedures will be suggested and STL may quote new prices for such modifications. Upon agreement of such modification, the original quote shall be deemed amended and the samples in question shall be deemed to have been received.

TIME OF PERFORMANCE. STL will use its best efforts to comply with storage, processing and analytical time limits requested by the Customer. Unless specifically agreed to in writing between STL and Customer, the time performance of any testing or other services performed by STL under this agreement is not guaranteed and STL shall have no liability for failure to perform such services within the time requested. Quick turnaround times are available at a premium cost which will be defined in the quote, providing STL workload availability.

LIMITATION OF DAMAGES. STL is not an insurer of services rendered and the payments mentioned are based solely on the value of the services provided pursuant to this agreement. STL's liability to the Customer and the Customer's exclusive remedy for any cause of action alleged against STL, whether based in contract, tort, or otherwise, shall be limited solely to the amount paid by the Customer for the services performed. In no event shall STL be liable for incidental or consequential damages including, without limitation, business interruption, loss of use, or loss of profits incurred by the Customer, its subsidiaries, affiliates, successors or assigns, arising out of or related to this agreement or the performance of services hereunder.

WARRANTY. STL makes no warranty or representation, express or implied, or guarantee of results from the performance of services pursuant to this Agreement. Any information, recommendation, interpretation, or opinion by STL is

based upon inferences and assumptions which are subject to error, and with respect to which analysis may differ. Accordingly, STL does not assume any liability with respect to the use of, or for damages resulting from the use of, any information, data, test results, analysis, apparatus, method, or process disclosed by STL. STL makes no presentation or warranty of any kind, including but not limited to, the warranties of fitness for a particular purpose or merchantability, nor are any such warranties to be implied with respect to the data or service furnished. STL assumes no responsibility with respect to Customer's use thereof.

LIMITATION ACTION. No action, regardless of form, arising out of or brought in connection with any services provided under this Agreement may be brought by the Customer more than one year after the performance of said services by STL. It is expressly agreed that STL shall have no liability to Customer unless that liability arises out of the willful misconduct or gross negligence of STL or its duly authorized employees.

CONFIDENTIALITY. Data and the sample materials provided by Customer or at Customer's request and the result obtained by STL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Customer has failed to pay STL for all services rendered or is otherwise in breach of this Agreement) subject to any disclosure required by law or legal process. STL's reports and the data and information provided therein are for the exclusive use and benefit of Customer and Customer agrees there shall be no third party beneficiary of such reports, data, or information. Customer will not disclose to any third party any information concerning STL's technical information, software programs, or other formulations.

SEVERABILITY. The provisions of this Agreement shall be severable, and if any clause, sentence, paragraph, provision or other part hereof shall be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect, impair or invalidate the remainder hereof, which remainder shall continue in full force and effect.

WAIVER. No waiver by either party of any breach, default or violation of any term, warranty, representation, agreement, covenant, condition or provision hereof shall constitute a waiver of any subsequent breach, default or violation of the same or any other term, warranty, representation, agreement, covenant, condition or provision hereof. All waivers must be in writing.

FORCE MAJEURE. Obligation of either party under this Agreement shall be suspended, and such party shall not be liable for damages or other remedies while such party is prevented from complying therewith, in whole or in part, due to contingencies beyond its reasonable control, including, but not limited to, strikes, riots, war, fire, act of God, injunction, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or any instrumentality, matrix interference or unknown highly contaminated samples that impact instrument operations thereof, whether now existing or hereafter created, inability to secure materials or obtain necessary permits, provided, however, the party so prevented from complying with its obligations hereunder shall promptly notify the other party thereof.

LITIGATION. All costs associated with compliance to any subpoena for documents, for testimony in court of law, or for any other purpose relating to work performed by STL in connection with work performed for the Customer, shall be paid by the Customer. Such costs shall include, but are not limited to, hourly charges for persons involved in responding to subpoenas, travel and accommodations, mileage, attorney's preparation of testifier and advice of counsel in connection with response to subpoenas, and all other expenses deemed reasonable and associated with said litigation.

HAZARDOUS WASTE. Unused portions of samples found or suspected to be hazardous according to state or federal guidelines may be returned to the Customer upon completion of the analytical work. The cost of returning the sample may be invoiced to the Customer. The sample portions thereof remain the property of the Customer at all times. All radioactive or dioxin containing samples will be returned to the sampling site or to the Customer at the Customer's expense.

RETENTION OF SAMPLES. All routine samples are retained in our storage facilities for 30 days after report generation unless prior arrangements have been made. Samples may be held longer per Customers request for an additional fee.

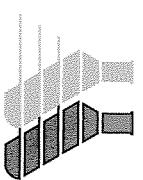
RETENTION OF REPORTS. STL shall retain copies of analytical reports for a period of 5 years after report date, after which such reports may be destroyed or returned to the Customer at Customers expense. If Customer requests additional copies of such analytical reports during the retention period, an additional charge will apply for the preparation and printing of such reports.

COMPLIANCE WITH LAW. In the performance of all services to be provided hereunder, STL and Customer agree to comply with all applicable Federal, State and local laws and ordinances and all lawful orders, rules and regulations of any constituted authority.

APPLICABLE LAW. The validity, performance and construction of this Agreement shall be governed by and construed in accordance with the laws of the State of Delaware.

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067



4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No:	of
Page	

CUSTOMER INFORMATION

COMPANY: Kennedy Tanks
SEND REPORT TO: Jay Knight

ADDRESS: 2151 McInnis Dr. Ste 100

Torrance, Ca 92612
PHONE: 949-261-1577 FAX:

PROJECT INFORMATION

PROJECT NAME: Boring C-6
NUMBER: 040212.CP

LOCATION: SoCal Refinery

ADDRESS:

REMARKS/PRECAUTIONS

Use gloves

Wear mask

Wear gloves

Wear mask

**STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST**

Date: 1-04-2001

Quantums Lot #: EJA040249
Client Name: Kennedy Tanks
Received by: Adolfo Villalobos
Delivered by : Client Airborne Fed
 UPS DES Oth

Quote #:

Project: 004032.01

Date/Time Received: 1/04 10:55

DHL Ultra-Ex Rev B.

Initial / Date

RS No 4

Custody Seal Status: Intact Broken None

Custody Seal #(s): _____ No Seal # _____

Sample Container(s): STL-LA Client N/A

Temperature(s) (COOLER/BLANK) in °C: 40 (CORRECTED TEMP)

Thermometer Used : IR (Infra-red) Digital (Probe)

Samples: Intact Broken Other

Samples: intact Broken Utter _____
Anomalies: No Yes (See Clauseau)

Anomalies: No Yes (See Clouseau)

Labeling checked by _____

Labeling checked by
.....

Turn Around Time: BUSH-24HR BUSH-48HR BUSH-72HR NORMAL

Short-Hold Notification: Ph Wet Chem Metals /Filter/Res Email N/A

Short-Field Notification: PII Wet Chem Metals (Filter/Pres) Encore N/A ...
Outside Analysis(es) (Test/Lab/Data Sent Out):

Outside Analysis(es) (Test/Lab/Date Sent Out) :

***** LEAVE NO BLANK SPACES : USE N/A *****

n: HCl na: Sodium Hydroxide zma: Zinc Acetate/Sodium Hydroxide s: H₂SO₄ n: HNO₃ nf: HNO₃-Field filtered nfL: HNO₃-Lab filtered
 CGJ: Clear Glass Jar CGB: Clear Glass Bottle AGJ: Amber Glass Jar AGB: Amber Glass Bottle PB: Poly Bottle E: Encore Sampler V: VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE:

REVIEWED BY/DATE

EXECUTIVE SUMMARY - Detection Highlights

E1A040249

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD-16-5 01/04/01 08:20 001				
1,1-Dichloroethene	3.0 J	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	9.0	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	1.1 J	5.0	ug/kg	SW846 8260B
Trichloroethene	21	5.0	ug/kg	SW846 8260B
PD-16-10 01/04/01 08:30 002				
1,1-Dichloroethene	25	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	4.8 J	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	24	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	2.1 J	5.0	ug/kg	SW846 8260B
Trichloroethene	41	5.0	ug/kg	SW846 8260B
PD-16-15 01/04/01 08:35 003				
1,1-Dichloroethene	88	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	18	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	81	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	9.7	5.0	ug/kg	SW846 8260B
Trichloroethene	110	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	3.6 J	5.0	ug/kg	SW846 8260B
PD-16-20 01/04/01 08:40 004				
1,1-Dichloroethene	110	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	19	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	74	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	11	5.0	ug/kg	SW846 8260B
Trichloroethene	77	5.0	ug/kg	SW846 8260B
PD-16-30 01/04/01 10:00 005				
1,1-Dichloroethene	230	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	62	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	280	5.0	ug/kg	SW846 8260B
Chloroform	1.4 J	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	33	5.0	ug/kg	SW846 8260B
Benzene	2.4 J	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	2.8 J	5.0	ug/kg	SW846 8260B
Trichloroethene	170	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	11	5.0	ug/kg	SW846 8260B

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000005

BOE-C6-0153560

EXECUTIVE SUMMARY - Detection Highlights

E1A040249

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD-16-40 01/04/01 10:30 006				
1,1-Dichloroethene	180	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	71	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	180	5.0	ug/kg	SW846 8260B
Chloroform	1.8 J	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	120	5.0	ug/kg	SW846 8260B
Benzene	3.6 J	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	4.7 J	5.0	ug/kg	SW846 8260B
Trichloroethene	120	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	12	5.0	ug/kg	SW846 8260B
PD-16-50 01/04/01 11:11 007				
Methylene chloride	54	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	4.3 J	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	5.2	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	3.0 J	5.0	ug/kg	SW846 8260B
Trichloroethene	7.5	5.0	ug/kg	SW846 8260B
Toluene	27	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	3.4 J	5.0	ug/kg	SW846 8260B
Xylenes (total)	14	5.0	ug/kg	SW846 8260B
PD-16-60 01/04/01 00:46 008				
1,1-Dichloroethene	7.9	5.0	ug/kg	SW846 8260B
Methylene chloride	51	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	11	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	3.4 J	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	39	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	4.0 J	5.0	ug/kg	SW846 8260B
Trichloroethene	14	5.0	ug/kg	SW846 8260B
Toluene	110	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	5.1	5.0	ug/kg	SW846 8260B
Xylenes (total)	19	5.0	ug/kg	SW846 8260B
PD-16-70 01/04/01 13:43 009				
1,1-Dichloroethene	140	25	ug/kg	SW846 8260B
Methylene chloride	47	25	ug/kg	SW846 8260B
1,1-Dichloroethane	55	25	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	17 J	25	ug/kg	SW846 8260B
2-Butanone	590	120	ug/kg	SW846 8260B
1,1,1-Trichloroethane	110	25	ug/kg	SW846 8260B
Carbon tetrachloride	11 J	25	ug/kg	SW846 8260B

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000006

BOE-C6-0153561

EXECUTIVE SUMMARY - Detection Highlights

E1A040249

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD-16-70 01/04/01 13:43 009				
1,2-Dichloroethane	15 J	25	ug/kg	SW846 8260B
Trichloroethene	100	25	ug/kg	SW846 8260B
Toluene	430	25	ug/kg	SW846 8260B
Xylenes (total)	35	25	ug/kg	SW846 8260B
PD-14-15 01/04/01 15:02 012				
1,1-Dichloroethene	36	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	9.4	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	21	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	3.3 J	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	1.7 J	5.0	ug/kg	SW846 8260B
Trichloroethene	26	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	4.4 J	5.0	ug/kg	SW846 8260B
PD-14-20 01/04/01 15:10 013				
1,1-Dichloroethene	96	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	22	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	44	5.0	ug/kg	SW846 8260B
Chloroform	1.4 J	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	9.2	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	2.9 J	5.0	ug/kg	SW846 8260B
Trichloroethene	47	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	6.1	5.0	ug/kg	SW846 8260B
PD-14-30 01/04/01 15:25 014				
1,1-Dichloroethene	110	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	39	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	89	5.0	ug/kg	SW846 8260B
Chloroform	2.2 J	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	23	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	5.1	5.0	ug/kg	SW846 8260B
Trichloroethene	72	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	18	5.0	ug/kg	SW846 8260B
PD-14-40 01/04/01 15:40 015				
1,1-Dichloroethene	110	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	73	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	140	5.0	ug/kg	SW846 8260B
Chloroform	3.2 J	5.0	ug/kg	SW846 8260B

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000007

EXECUTIVE SUMMARY - Detection Highlights

E1A040249

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD-14-40 01/04/01 15:40 015				
1,1,1-Trichloroethane	35	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	7.7	5.0	ug/kg	SW846 8260B
Trichloroethene	110	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	30	5.0	ug/kg	SW846 8260B

000008

BOE-C6-0153563

METHODS SUMMARY

E1A040249

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

000009

BOE-C6-0153564

SAMPLE SUMMARY

E1A040249

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DR894	001	PD-16-5	01/04/01	08:20
DR9A0	002	PD-16-10	01/04/01	08:30
DR9A1	003	PD-16-15	01/04/01	08:35
DR9A2	004	PD-16-20	01/04/01	08:40
DR9A4	005	PD-16-30	01/04/01	10:00
DR9A6	006	PD-16-40	01/04/01	10:30
DR9A7	007	PD-16-50	01/04/01	11:11
DR9A8	008	PD-16-60	01/04/01	00:46
DR9A9	009	PD-16-70	01/04/01	13:43
DR9CA	010	PD-14-5	01/04/01	14:37
DR9CD	011	PD-14-10	01/04/01	14:51
DR9CE	012	PD-14-15	01/04/01	15:02
DR9CF	013	PD-14-20	01/04/01	15:10
DR9CG	014	PD-14-30	01/04/01	15:25
DR9CH	015	PD-14-40	01/04/01	15:40
DR9CJ	016	TRIP BLANK	01/04/01	16:00
DR9CK	017	RINSEATE	01/04/01	16:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000010

BOE-C6-0153565

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-5

GC/MS Volatiles

Lot-Sample #....: E1A040249-001 Work Order #....: DR8941AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 08:20 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/09/01 Analysis Date...: 01/09/01
 Prep Batch #....: 1010372 Analysis Time...: 23:30
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	3.0 J	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	9.0	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	1.1 J	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	21	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000011

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-5

GC/MS Volatiles

Lot-Sample #....: E1A040249-001 Work Order #....: DR8941AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	110	(70 - 130)		
1,2-Dichloroethane-d4	117	(60 - 140)		
Toluene-d8	100	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000012

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-10

GC/MS Volatiles

Lot-Sample #....: E1A040249-002 Work Order #....: DR9A01AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 08:30 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 01:08
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	25	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	4.8 J	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	24	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	2.1 J	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	41	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000013

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-10

GC/MS Volatiles

Lot-Sample #....: E1A040249-002 Work Order #....: DR9A01AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
		(70 - 130)		
Bromofluorobenzene	107			
1,2-Dichloroethane-d4	116			
Toluene-d8	105			

NOTE(S) :

J Estimated result. Result is less than RL.

000014

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-15

GC/MS Volatiles

Lot-Sample #....: E1A040249-003 Work Order #....: DR9A11AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 08:35 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 01:40
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	88	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	18	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	81	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	9.7	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	110	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	3.6 J	5.0	ug/kg	3.0

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000015

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-15

GC/MS Volatiles

Lot-Sample #....: E1A040249-003 Work Order #....: DR9A11AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	107	(70 - 130)		
1,2-Dichloroethane-d4	122	(60 - 140)		
Toluene-d8	103	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000016

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-20

GC/MS Volatiles

Lot-Sample #....: E1A040249-004 Work Order #....: DR9A21AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 08:40 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 02:13
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	110	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	19	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	74	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	11	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	77	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000017

BOE-C6-0153572

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-20

GC/MS Volatiles

Lot-Sample #....: E1A040249-004 Work Order #....: DR9A21AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
		(70 - 130)	(60 - 140)	(70 - 130)
Bromofluorobenzene	110			
1,2-Dichloroethane-d4	138			
Toluene-d8	103			

000018

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-30

GC/MS Volatiles

Lot-Sample #....: E1A040249-005 Work Order #....: DR9A41AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 10:00 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 02:45
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	230	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	62	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	280	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	1.4 J	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	33	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	2.4 J	5.0	ug/kg	2.0
1,2-Dichloroethane	2.8 J	5.0	ug/kg	1.0
Trichloroethene	170	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	11	5.0	ug/kg	3.0

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000019

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-30

GC/MS Volatiles

Lot-Sample #...: E1A040249-005 Work Order #...: DR9A41AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro- propane	ND	10	ug/kg	3.0
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Bromofluorobenzene	107	(70 - 130)		
1,2-Dichloroethane-d4	123	(60 - 140)		
Toluene-d8	102	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000020

BOE-C6-0153575

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-40

GC/MS Volatiles

Lot-Sample #....: E1A040249-006 Work Order #....: DR9A61AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 10:30 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 03:18
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	180	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	71	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	180	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	1.8 J	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	120	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	3.6 J	5.0	ug/kg	2.0
1,2-Dichloroethane	4.7 J	5.0	ug/kg	1.0
Trichloroethene	120	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	12	5.0	ug/kg	3.0

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000021

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-40

GC/MS Volatiles

Lot-Sample #....: E1A040249-006 Work Order #....: DR9A61AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	107	(70 - 130)		
1,2-Dichloroethane-d4	126	(60 - 140)		
Toluene-d8	102	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000022

BOE-C6-0153577

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-50

GC/MS Volatiles

Lot-Sample #....: E1A040249-007 Work Order #....: DR9A71AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 11:11 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 03:50
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	54	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	4.3 J	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	5.2	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	3.0 J	5.0	ug/kg	1.0
Trichloroethene	7.5	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	27	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	3.4 J	5.0	ug/kg	3.0

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000023

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-50

GC/MS Volatiles

Lot-Sample #....: E1A040249-007 Work Order #....: DR9A71AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	14	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	110	(70 - 130)		
1,2-Dichloroethane-d4	128	(60 - 140)		
Toluene-d8	103	(70 - 130)		

NOTE (S) :

J Estimated result. Result is less than RL.

000024

BOE-C6-0153579

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-60

GC/MS Volatiles

Lot-Sample #....: E1A040249-008 Work Order #....: DR9A81AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 00:46 Date Received...: 01/04/01 16:55 MS Run #....: 1010221
 Prep Date.....: 01/09/01 Analysis Date...: 01/09/01
 Prep Batch #....: 1010372 Analysis Time...: 22:57
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	7.9	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	51	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	11	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	3.4 J	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	39	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	4.0 J	5.0	ug/kg	1.0
Trichloroethene	14	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	110	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	5.1	5.0	ug/kg	3.0

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000025

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-60

GC/MS Volatiles

Lot-Sample #....: E1A040249-008 Work Order #....: DR9A81AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	19	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
SURROGATE	RECOVERY	RECOVERY		
		LIMITS		
Bromofluorobenzene	108	(70 - 130)		
1,2-Dichloroethane-d4	117	(60 - 140)		
Toluene-d8	103	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000026

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-70

GC/MS Volatiles

Lot-Sample #....: E1A040249-009 Work Order #....: DR9A91AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 13:43 Date Received...: 01/04/01 16:55 MS Run #.....: 1011089
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1011180 Analysis Time...: 18:56
 Dilution Factor: 5
 Analyst ID.....: 999998 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	50	ug/kg	5.0
Chloromethane	ND	50	ug/kg	15
Vinyl chloride	ND	50	ug/kg	10
Bromomethane	ND	50	ug/kg	10
Chloroethane	ND	50	ug/kg	10
Trichlorofluoromethane	ND	50	ug/kg	10
Acrolein	ND	500	ug/kg	150
1,1-Dichloroethene	140	25	ug/kg	10
Iodomethane	ND	50	ug/kg	25
Acetone	ND	120	ug/kg	75
Carbon disulfide	ND	25	ug/kg	10
Methylene chloride	47	25	ug/kg	15
trans-1,2-Dichloroethene	ND	25	ug/kg	10
Acrylonitrile	ND	250	ug/kg	150
Methyl tert-butyl ether	ND	25	ug/kg	5.0
1,1-Dichloroethane	55	25	ug/kg	5.0
Vinyl acetate	ND	50	ug/kg	25
2,2-Dichloropropane	ND	25	ug/kg	10
cis-1,2-Dichloroethene	17 J	25	ug/kg	10
2-Butanone	590	120	ug/kg	75
Bromochloromethane	ND	25	ug/kg	5.0
Chloroform	ND	25	ug/kg	5.0
Tetrahydrofuran	ND	100	ug/kg	50
1,1,1-Trichloroethane	110	25	ug/kg	5.0
1,1-Dichloropropene	ND	25	ug/kg	5.0
Carbon tetrachloride	11 J	25	ug/kg	5.0
Benzene	ND	25	ug/kg	10
1,2-Dichloroethane	15 J	25	ug/kg	5.0
Trichloroethene	100	25	ug/kg	10
1,2-Dichloropropane	ND	25	ug/kg	5.0
Bromodichloromethane	ND	25	ug/kg	5.0
2-Chloroethyl vinyl ether	ND	50	ug/kg	25
cis-1,3-Dichloropropene	ND	25	ug/kg	5.0
4-Methyl-2-pentanone	ND	120	ug/kg	50
Toluene	430	25	ug/kg	10
trans-1,3-Dichloropropene	ND	25	ug/kg	15
1,1,2-Trichloroethane	ND	25	ug/kg	15

(Continued on next page)

000027

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-16-70

GC/MS Volatiles

Lot-Sample #....: E1A040249-009 Work Order #....: DR9A91AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	25	ug/kg	10
2-Hexanone	ND	120	ug/kg	50
Dibromochloromethane	ND	25	ug/kg	25
1,2-Dibromoethane	ND	25	ug/kg	15
Chlorobenzene	ND	25	ug/kg	10
Ethylbenzene	ND	25	ug/kg	10
Xylenes (total)	35	25	ug/kg	15
Styrene	ND	50	ug/kg	10
Bromoform	ND	25	ug/kg	15
Isopropylbenzene	ND	25	ug/kg	10
p-Isopropyltoluene	ND	25	ug/kg	10
Bromobenzene	ND	25	ug/kg	10
1,1,1,2-Tetrachloroethane	ND	25	ug/kg	15
1,1,2,2-Tetrachloroethane	ND	25	ug/kg	15
1,2,3-Trichloropropane	ND	25	ug/kg	15
n-Propylbenzene	ND	25	ug/kg	10
2-Chlorotoluene	ND	25	ug/kg	10
4-Chlorotoluene	ND	25	ug/kg	10
1,3,5-Trimethylbenzene	ND	25	ug/kg	10
tert-Butylbenzene	ND	25	ug/kg	10
1,2,4-Trimethylbenzene	ND	25	ug/kg	10
sec-Butylbenzene	ND	25	ug/kg	10
1,3-Dichlorobenzene	ND	25	ug/kg	10
1,4-Dichlorobenzene	ND	25	ug/kg	10
1,2-Dichlorobenzene	ND	25	ug/kg	10
n-Butylbenzene	ND	25	ug/kg	10
1,2-Dibromo-3-chloro-propane	ND	50	ug/kg	15
1,2,4-Trichloro-benzene	ND	25	ug/kg	10
Hexachlorobutadiene	ND	25	ug/kg	10
1,2,3-Trichlorobenzene	ND	25	ug/kg	10
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Bromofluorobenzene	109	(70 - 130)		
1,2-Dichloroethane-d4	119	(60 - 140)		
Toluene-d8	103	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000028

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-5

GC/MS Volatiles

Lot-Sample #....: E1A040249-010 Work Order #....: DR9CA1AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 14:37 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 04:55
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-5

GC/MS Volatiles

Lot-Sample #....: E1A040249-010 Work Order #....: DR9CA1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
		(70 - 130)	(60 - 140)	(70 - 130)
Bromofluorobenzene	112			
1,2-Dichloroethane-d4	137			
Toluene-d8	101			

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BOE-C6-0153585

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-10

GC/MS Volatiles

Lot-Sample #....: E1A040249-011 Work Order #....: DR9CD1AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 14:51 Date Received...: 01/04/01 16:55 MS Run #.....: 1011089
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1011180 Analysis Time...: 18:24
 Dilution Factor: 1
 Analyst ID.....: 999998 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-10

GC/MS Volatiles

Lot-Sample #....: E1A040249-011 Work Order #....: DR9CD1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Bromofluorobenzene	118	(70 - 130)		
1,2-Dichloroethane-d4	126	(60 - 140)		
Toluene-d8	99	(70 - 130)		

000032

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-15

GC/MS Volatiles

Lot-Sample #....: E1A040249-012 Work Order #....: DR9CE1AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 15:02 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 06:00
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	36	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	9.4	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	21	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	3.3 J	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	1.7 J	5.0	ug/kg	1.0
Trichloroethene	26	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	4.4 J	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-15

GC/MS Volatiles

Lot-Sample #....: E1A040249-012 Work Order #....: DR9CE1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	105	(70 - 130)		
1,2-Dichloroethane-d4	119	(60 - 140)		
Toluene-d8	104	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000034

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-20

GC/MS Volatiles

Lot-Sample #....: E1A040249-013 Work Order #....: DR9CF1AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 15:10 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 06:33
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorodifluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	96	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	22	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	44	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	1.4 J	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	9.2	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	2.9 J	5.0	ug/kg	1.0
Trichloroethene	47	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	6.1	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-20

GC/MS Volatiles

Lot-Sample #....: E1A040249-013 Work Order #....: DR9CF1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	108	(70 - 130)		
1,2-Dichloroethane-d4	132	(60 - 140)		
Toluene-d8	102	(70 - 130)		

NOTE (S) :

J Estimated result. Result is less than RL.

000036

BOE-C6-0153591

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-30

GC/MS Volatiles

Lot-Sample #....: E1A040249-014 Work Order #....: DR9CG1AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 15:25 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 07:05
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	110	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	39	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	89	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	2.2 J	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	23	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	5.1	5.0	ug/kg	1.0
Trichloroethene	72	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	18	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-30

GC/MS Volatiles

Lot-Sample #....: E1A040249-014 Work Order #....: DR9CG1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	106	(70 - 130)		
1,2-Dichloroethane-d4	136	(60 - 140)		
Toluene-d8	102	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000038

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-40

GC/MS Volatiles

Lot-Sample #....: E1A040249-015 Work Order #....: DR9CH1AA Matrix.....: SOLID
 Date Sampled....: 01/04/01 15:40 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 07:38
 Dilution Factor: 1
 Analyst ID.....: 015590 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	110	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	73	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	140	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Chloroform	3.2 J	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	35	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	7.7	5.0	ug/kg	1.0
Trichloroethene	110	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	30	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-14-40

GC/MS Volatiles

Lot-Sample #....: E1A040249-015 Work Order #....: DR9CH1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	107	(70 - 130)		
1,2-Dichloroethane-d4	131	(60 - 140)		
Toluene-d8	102	(70 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000040

BOE-C6-0153595

KENNEDY/JENKS CONSULTANTS

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #....: E1A040249-016 Work Order #....: DR9CJ1AA Matrix.....: WATER
 Date Sampled....: 01/04/01 16:00 Date Received...: 01/04/01 16:55 MS Run #.....: 1005050
 Prep Date.....: 01/04/01 Analysis Date...: 01/04/01
 Prep Batch #....: 1005156 Analysis Time...: 23:38
 Dilution Factor: 1
 Analyst ID.....: 004648 Instrument ID...: MSC
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.20
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.60
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20
Hexachlorobutadiene	ND	1.0	ug/L	0.30

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #....: E1A040249-016 Work Order #....: DR9CJ1AA Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Hexanone	ND	5.0	ug/L	2.0
Isopropylbenzene	ND	1.0	ug/L	0.20
p-Isopropyltoluene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	2.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.30
Tetrachloroethene	ND	1.0	ug/L	0.70
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro- benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.20
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,1,2-Trichlorotrifluoro- ethane	ND	1.0	ug/L	0.20
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.20
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.50
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	1.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	101	(75 - 120)		
1,2-Dichloroethane-d4	122	(65 - 130)		
Toluene-d8	102	(80 - 130)		

000042

KENNEDY/JENKS CONSULTANTS

Client Sample ID: RINSEATE

GC/MS Volatiles

Lot-Sample #....: E1A040249-017 Work Order #....: DR9CK1AA Matrix.....: WATER
 Date Sampled....: 01/04/01 16:00 Date Received...: 01/04/01 16:55 MS Run #.....: 1005050
 Prep Date.....: 01/05/01 Analysis Date...: 01/05/01
 Prep Batch #....: 1005156 Analysis Time...: 00:09
 Dilution Factor: 1
 Analyst ID.....: 004648 Instrument ID...: MSC
 Method.....: SW846 8260B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.20
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.60
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20
Hexachlorobutadiene	ND	1.0	ug/L	0.30

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: RINSEATE

GC/MS Volatiles

Lot-Sample #....: E1A040249-017 Work Order #....: DR9CK1AA Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Hexanone	ND	5.0	ug/L	2.0
Isopropylbenzene	ND	1.0	ug/L	0.20
p-Isopropyltoluene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	2.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.30
Tetrachloroethene	ND	1.0	ug/L	0.70
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro- benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.20
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,1,2-Trichlorotrifluoro- ethane	ND	1.0	ug/L	0.20
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.20
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.50
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	1.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	98	(75 - 120)		
1,2-Dichloroethane-d4	121	(65 - 130)		
Toluene-d8	99	(80 - 130)		

000044

BOE-C6-0153599

QC DATA ASSOCIATION SUMMARY

E1A040249

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8260B		1010372	1010221
002	SOLID	SW846 8260B		1010372	1010221
003	SOLID	SW846 8260B		1010372	1010221
004	SOLID	SW846 8260B		1010372	1010221
005	SOLID	SW846 8260B		1010372	1010221
006	SOLID	SW846 8260B		1010372	1010221
007	SOLID	SW846 8260B		1010372	1010221
008	SOLID	SW846 8260B		1010372	1010221
009	SOLID	SW846 8260B		1011180	1011089
010	SOLID	SW846 8260B		1010372	1010221
011	SOLID	SW846 8260B		1011180	1011089
012	SOLID	SW846 8260B		1010372	1010221
013	SOLID	SW846 8260B		1010372	1010221
014	SOLID	SW846 8260B		1010372	1010221
015	SOLID	SW846 8260B		1010372	1010221
016	WATER	SW846 8260B		1005156	1005050
017	WATER	SW846 8260B		1005156	1005050

000045

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E1A040249
 MB Lot-Sample #: E1A050000-156
 Analysis Date...: 01/04/01
 Dilution Factor: 1

Work Order #....: DR9P31AA
 Prep Date.....: 01/04/01
 Prep Batch #....: 1005156
 Analyst ID.....: 004648

Matrix.....: WATER
 Analysis Time...: 21:36
 Instrument ID...: MSC

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B

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000046

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E1A040249

Work Order #....: DR9P31AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro- ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Bromofluorobenzene	102	(75 - 120)		
1,2-Dichloroethane-d4	118	(65 - 130)		
Toluene-d8	103	(80 - 130)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000047

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E1A040249
 MB Lot-Sample #: E1A100000-372
 Analysis Date..: 01/09/01
 Dilution Factor: 1

Work Order #....: DTGVM1AA
 Prep Date.....: 01/09/01
 Prep Batch #....: 1010372
 Analyst ID.....: 015590

Matrix.....: SOLID
 Analysis Time.: 21:51
 Instrument ID.: MSG

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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000048

BOE-C6-0153603

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E1A040249

Work Order #....: DTGVM1AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>	
Bromofluorobenzene	109		(70 - 130)	
1,2-Dichloroethane-d4	106		(60 - 140)	
Toluene-d8	104		(70 - 130)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000049

BOE-C6-0153604

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E1A040249
 MB Lot-Sample #: E1A110000-180
 Analysis Date..: 01/10/01
 Dilution Factor: 1

Work Order #....: DTHGR1AA

Matrix.....: SOLID

Prep Date.....: 01/10/01
 Prep Batch #....: 1011180

Analysis Time...: 09:55
 Instrument ID...: MSG

Analyst ID.....: 999998

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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000050

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E1A040249

Work Order #....: DTHGR1AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1, 2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1, 1, 1, 2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1, 1, 2, 2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1, 2, 3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1, 3, 5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1, 2, 4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1, 3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1, 4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1, 2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1, 2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1, 2, 4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1, 2, 3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>	
Bromofluorobenzene	111		(70 - 130)	
1, 2-Dichloroethane-d4	103		(60 - 140)	
Toluene-d8	101		(70 - 130)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000051

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DR9P31AC Matrix.....: WATER
 LCS Lot-Sample#: E1A050000-156
 Prep Date.....: 01/04/01 Analysis Date...: 01/04/01
 Prep Batch #...: 1005156 Analysis Time...: 21:06
 Dilution Factor: 1 Instrument ID...: MSC
 Analyst ID.....: 004648

<u>PARAMETER</u>	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	UNITS	PERCENT <u>RECOVERY</u>	METHOD
Benzene	10.0	9.26	ug/L	93	SW846 8260B
1,1-Dichloroethene	10.0	10.8	ug/L	108	SW846 8260B
Chlorobenzene	10.0	9.47	ug/L	95	SW846 8260B
Toluene	10.0	9.14	ug/L	91	SW846 8260B
Trichloroethene	10.0	9.76	ug/L	98	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	110	(75 - 120)
1,2-Dichloroethane-d4	122	(65 - 130)
Toluene-d8	112	(80 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000052

BOE-C6-0153607

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DTGVM1AC Matrix.....: SOLID
 LCS Lot-Sample#: E1A100000-372
 Prep Date.....: 01/09/01 Analysis Date...: 01/09/01
 Prep Batch #....: 1010372 Analysis Time...: 22:25
 Dilution Factor: 1 Instrument ID..: MSG
 Analyst ID.....: 015590

<u>PARAMETER</u>	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	UNITS	PERCENT <u>RECOVERY</u>	METHOD
1,1-Dichloroethene	50.0	64.4	ug/kg	129	SW846 8260B
Benzene	50.0	57.4	ug/kg	115	SW846 8260B
Trichloroethene	50.0	56.0	ug/kg	112	SW846 8260B
Toluene	50.0	51.8	ug/kg	104	SW846 8260B
Chlorobenzene	50.0	51.4	ug/kg	103	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	107	(70 - 130)
1,2-Dichloroethane-d4	114	(60 - 140)
Toluene-d8	104	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000053

BOE-C6-0153608

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DTHGR1AC Matrix.....: SOLID
 LCS Lot-Sample#: E1A110000-180
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #...: 1011180 Analysis Time...: 10:48
 Dilution Factor: 1 Instrument ID..: MSG
 Analyst ID.....: 999998

<u>PARAMETER</u>	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	UNITS	PERCENT <u>RECOVERY</u>	METHOD
1,1-Dichloroethene	50.0	62.7	ug/kg	125	SW846 8260B
Benzene	50.0	58.8	ug/kg	118	SW846 8260B
Trichloroethene	50.0	63.4	ug/kg	127	SW846 8260B
Toluene	50.0	59.9	ug/kg	120	SW846 8260B
Chlorobenzene	50.0	56.5	ug/kg	113	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	115	(70 - 130)
1,2-Dichloroethane-d4	123	(60 - 140)
Toluene-d8	114	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000054

BOE-C6-0153609

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DR9P31AC Matrix.....: WATER
 LCS Lot-Sample#: E1A050000-156
 Prep Date.....: 01/04/01 Analysis Date...: 01/04/01
 Prep Batch #....: 1005156 Analysis Time...: 21:06
 Dilution Factor: 1 Instrument ID..: MSC
 Analyst ID.....: 004648

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
Benzene	93	(75 - 120)	SW846 8260B
1,1-Dichloroethene	108	(70 - 130)	SW846 8260B
Chlorobenzene	95	(80 - 120)	SW846 8260B
Toluene	91	(80 - 120)	SW846 8260B
Trichloroethene	98	(75 - 130)	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	110	(75 - 120)
1,2-Dichloroethane-d4	122	(65 - 130)
Toluene-d8	112	(80 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000055

BOE-C6-0153610

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DTGVM1AC Matrix.....: SOLID
 LCS Lot-Sample#: E1A100000-372
 Prep Date.....: 01/09/01 Analysis Date...: 01/09/01
 Prep Batch #....: 1010372 Analysis Time...: 22:25
 Dilution Factor: 1 Instrument ID..: MSG
 Analyst ID.....: 015590

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	METHOD
1,1-Dichloroethene	129	(60 - 150)	SW846 8260B
Benzene	115	(70 - 140)	SW846 8260B
Trichloroethene	112	(70 - 130)	SW846 8260B
Toluene	104	(70 - 130)	SW846 8260B
Chlorobenzene	103	(70 - 130)	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	107	(70 - 130)
1,2-Dichloroethane-d4	114	(60 - 140)
Toluene-d8	104	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000056

BOE-C6-0153611

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DTHGR1AC Matrix.....: SOLID
LCS Lot-Sample#: E1A110000-180
Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
Prep Batch #....: 1011180 Analysis Time...: 10:48
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 999998

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
1,1-Dichloroethene	125	(60 - 150)	SW846 8260B
Benzene	118	(70 - 140)	SW846 8260B
Trichloroethene	127	(70 - 130)	SW846 8260B
Toluene	120	(70 - 130)	SW846 8260B
Chlorobenzene	113	(70 - 130)	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	115	(70 - 130)
1,2-Dichloroethane-d4	123	(60 - 140)
Toluene-d8	114	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000057

BOE-C6-0153612

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DR8821AD-MS Matrix.....: WATER
 MS Lot-Sample #: E1A040243-004 DR8821AE-MSD
 Date Sampled...: 01/04/01 11:10 Date Received...: 01/04/01 17:00 MS Run #.....: 1005050
 Prep Date.....: 01/05/01 Analysis Date...: 01/05/01
 Prep Batch #....: 1005156 Analysis Time...: 07:12
 Dilution Factor: 1 Analyst ID.....: 004648 Instrument ID...: MSC

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
Benzene	ND	10.0	9.23	ug/L	92		SW846 8260B
	ND	10.0	9.47	ug/L	95	2.6	SW846 8260B
1,1-Dichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.0	ug/L	110	0.81	SW846 8260B
Chlorobenzene	ND	10.0	9.60	ug/L	96		SW846 8260B
	ND	10.0	9.71	ug/L	97	1.1	SW846 8260B
Toluene	ND	10.0	8.99	ug/L	90		SW846 8260B
	ND	10.0	9.11	ug/L	91	1.3	SW846 8260B
Trichloroethene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.3	ug/L	103	2.4	SW846 8260B

SURROGATE	PERCENT		RECOVERY
	RECOVERY	LIMITS	
Bromofluorobenzene	107	(75 - 120)	
	106	(75 - 120)	
1,2-Dichloroethane-d4	128	(65 - 130)	
	130	(65 - 130)	
Toluene-d8	108	(80 - 130)	
	108	(80 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000058

BOE-C6-0153613

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DR8941AC-MS Matrix.....: SOLID
 MS Lot-Sample #: E1A040249-001 DR8941AD-MSD
 Date Sampled....: 01/04/01 08:20 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 00:02
 Dilution Factor: 1 Analyst ID.....: 015590 Instrument ID...: MSG

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	3.0	50.0	65.0	ug/kg	124		SW846 8260B
	3.0	50.0	43.4	ug/kg	81 p	40	SW846 8260B
Benzene	ND	50.0	53.5	ug/kg	107		SW846 8260B
	ND	50.0	34.9	ug/kg	70	42	SW846 8260B
Trichloroethene	Qualifiers: p, MSC						
	21	50.0	55.8	ug/kg	69		SW846 8260B
	Qualifiers: a, MSC						
	21	50.0	43.3	ug/kg	44	25	SW846 8260B
Toluene	ND	50.0	48.9	ug/kg	98		SW846 8260B
	ND	50.0	33.0	ug/kg	66	39	SW846 8260B
Chlorobenzene	Qualifiers: a, p, MSC						
	ND	50.0	50.2	ug/kg	100		SW846 8260B
	ND	50.0	33.3	ug/kg	67	40	SW846 8260B
	Qualifiers: a, p, MSC						

SURROGATE	PERCENT		RECOVERY
	RECOVERY	LIMITS	
Bromofluorobenzene	109	(70 - 130)	
	106	(70 - 130)	
1,2-Dichloroethane-d4	131	(60 - 140)	
	127	(60 - 140)	
Toluene-d8	103	(70 - 130)	
	103	(70 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

a Spiked analyte recovery is outside stated control limits.

000059

BOE-C6-0153614

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DR9CR1A1-MS Matrix.....: SOLID
 MS Lot-Sample #: E1A040253-004 DR9CR1A2-MSD
 Date Sampled....: 01/03/01 14:05 Date Received...: 01/04/01 17:45 MS Run #.....: 1011089
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1011180 Analysis Time...: 14:36
 Dilution Factor: 1 Analyst ID.....: 999998 Instrument ID...: MSG

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	62.0	ug/kg	124		SW846 8260B
	ND	50.0	56.7	ug/kg	113	8.9	SW846 8260B
Benzene	ND	50.0	53.3	ug/kg	107		SW846 8260B
	ND	50.0	49.3	ug/kg	99	7.9	SW846 8260B
Trichloroethene	ND	50.0	62.9	ug/kg	126		SW846 8260B
	ND	50.0	60.0	ug/kg	120	4.7	SW846 8260B
Toluene	ND	50.0	51.0	ug/kg	102		SW846 8260B
	ND	50.0	49.0	ug/kg	98	4.1	SW846 8260B
Chlorobenzene	ND	50.0	52.0	ug/kg	104		SW846 8260B
	ND	50.0	48.7	ug/kg	97	6.5	SW846 8260B
<u>SURROGATE</u>		PERCENT		RECOVERY			
		<u>RECOVERY</u>		<u>LIMITS</u>			
Bromofluorobenzene		108		(70 - 130)			
		106		(70 - 130)			
1,2-Dichloroethane-d4		130		(60 - 140)			
		121		(60 - 140)			
Toluene-d8		103		(70 - 130)			
		103		(70 - 130)			

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000060

BOE-C6-0153615

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DR8821AD-MS Matrix.....: WATER
 MS Lot-Sample #: E1A040243-004 DR8821AE-MSD
 Date Sampled....: 01/04/01 11:10 Date Received...: 01/04/01 17:00 MS Run #.....: 1005050
 Prep Date.....: 01/05/01 Analysis Date...: 01/05/01
 Prep Batch #....: 1005156 Analysis Time...: 07:12
 Dilution Factor: 1 Analyst ID.....: 004648 Instrument ID...: MSC

PARAMETER	PERCENT	RECOVERY	RPD	LIMITS	METHOD
	RECOVERY	LIMITS			
Benzene	92	(75 - 120)			SW846 8260B
	95	(75 - 120)	2.6	(0-25)	SW846 8260B
1,1-Dichloroethene	110	(70 - 130)			SW846 8260B
	110	(70 - 130)	0.81	(0-25)	SW846 8260B
Chlorobenzene	96	(80 - 120)			SW846 8260B
	97	(80 - 120)	1.1	(0-25)	SW846 8260B
Toluene	90	(80 - 120)			SW846 8260B
	91	(80 - 120)	1.3	(0-25)	SW846 8260B
Trichloroethene	101	(75 - 130)			SW846 8260B
	103	(75 - 130)	2.4	(0-25)	SW846 8260B
SURROGATE	PERCENT	RECOVERY	LIMITS		
	RECOVERY	LIMITS			
Perfluorobenzene	107	(75 - 120)			
	106	(75 - 120)			
1,2-Dichloroethane-d4	128		(65 - 130)		
	130		(65 - 130)		
Toluene-d8	108		(80 - 130)		
	108		(80 - 130)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000061

BOE-C6-0153616

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DR8941AC-MS Matrix.....: SOLID
 MS Lot-Sample #: E1A040249-001 DR8941AD-MSD
 Date Sampled....: 01/04/01 08:20 Date Received...: 01/04/01 16:55 MS Run #.....: 1010221
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1010372 Analysis Time...: 00:02
 Dilution Factor: 1 Analyst ID.....: 015590 Instrument ID...: MSG

PARAMETER	PERCENT	RECOVERY	RPD	LIMITS	METHOD
	RECOVERY	LIMITS			
1,1-Dichloroethene	124	(60 - 150)			SW846 8260B
	81 p	(60 - 150)	40	(0-30)	SW846 8260B
Benzene	107	(70 - 140)			SW846 8260B
	70 p, MSC	(70 - 140)	42	(0-30)	SW846 8260B
Trichloroethene	69 a, MSC	(70 - 130)			SW846 8260B
	44 a, MSC	(70 - 130)	25	(0-30)	SW846 8260B
Toluene	98	(70 - 130)			SW846 8260B
	66 a,p, MS	(70 - 130)	39	(0-30)	SW846 8260B
Chlorobenzene	100	(70 - 130)			SW846 8260B
	67 a,p, MS	(70 - 130)	40	(0-30)	SW846 8260B
SURROGATE	PERCENT	RECOVERY	LIMITS		
	RECOVERY	LIMITS			
Perfluorobenzene	109	(70 - 130)			
	106	(70 - 130)			
1,2-Dichloroethane-d4	131	(60 - 140)			
	127	(60 - 140)			
Toluene-d8	103	(70 - 130)			
	103	(70 - 130)			

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

a Spiked analyte recovery is outside stated control limits.

000062

BOE-C6-0153617

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E1A040249 Work Order #....: DR9CR1A1-MS Matrix.....: SOLID
 MS Lot-Sample #: E1A040253-004 DR9CR1A2-MSD
 Date Sampled....: 01/03/01 14:05 Date Received...: 01/04/01 17:45 MS Run #.....: 1011089
 Prep Date.....: 01/10/01 Analysis Date...: 01/10/01
 Prep Batch #....: 1011180 Analysis Time...: 14:36
 Dilution Factor: 1 Analyst ID.....: 999998 Instrument ID...: MSG

PARAMETER	PERCENT	RECOVERY	RPD	LIMITS	METHOD
	RECOVERY	LIMITS			
1,1-Dichloroethene	124	(60 - 150)	8.9	(0-30)	SW846 8260B
	113	(60 - 150)			SW846 8260B
Benzene	107	(70 - 140)	7.9	(0-30)	SW846 8260B
	99	(70 - 140)			SW846 8260B
Trichloroethene	126	(70 - 130)	4.7	(0-30)	SW846 8260B
	120	(70 - 130)			SW846 8260B
Toluene	102	(70 - 130)	4.1	(0-30)	SW846 8260B
	98	(70 - 130)			SW846 8260B
Chlorobenzene	104	(70 - 130)	6.5	(0-30)	SW846 8260B
	97	(70 - 130)			SW846 8260B

SURROGATE	PERCENT	RECOVERY	LIMITS
	RECOVERY	LIMITS	
Perfluorobenzene	108	(70 - 130)	
1,2-Dichloroethane-d4	106	(70 - 130)	
	130	(60 - 140)	
Toluene-d8	121	(60 - 140)	
	103	(70 - 130)	
	103	(70 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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BOE-C6-0153618